Non-Conventional Energy Sources in North-East

573. DR. B.B. DUTTA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the steps taken so far to encourage the non-conventional energy sources in the country particularly in North-eastern States;

(b) the total amount spent thereon during last five years;

(c) whether Government are satisfied with the achievements made in this regard; and

(d) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) The Ministry of Non-Conventional Energy Sources is implementing a wide range of programmes to generate and utilise non-conventional energy such as Biogas plants, Improved Chulhas, Biomass gasification and Briquetting plants. Solar Thermal Water Heating, both domestic and industrial, Solar Photovoltaic energy based rural hom-lighting, lanterns, water pumping for irrigation and village level power plants, grid connected power from Wind Energy, Small Hydro, Biomass Combustion, Bagasse-based Co-generation and Solar Photovoltaic Energy and electrical power from Urban and Industrial Wastes, throughout the country including North-Eastern State;

(b) The total amount spent by this Ministry during last five years, is Rs. 982 crores in the country and Rs. 5.22 crores for North-Eastern States.

(c) and (d) The Government is generally satisfied with the progress of utilisation of non-conventional energy sources in the country. However, on account of remoteness and difficult logistics of hilly regions, Islands and North-Eastern States are provided higher subsidy/incentive in view of higher capital cost. The Ministry has initiated New Initiatives exclusively for North-Eastern States' and earmarked 10% of the net budgetary support for the year 1997-98 for taking up major programmes such as biogas plants, improved chulhas, integrated rural energy programmes, small hydro power and solar photovoltaic programmes in North-Eastern States.

Solar Energy Plants in Hilly Areas of U.P.

574. SHRI MANOHAR KANT DHYANI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government propose to set up solar energy plants in nine districts of the hilly areas of Uttar Pradesh;

(b) if so, the details of the assistance provided for this purpose; and

(c) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIOAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) The Non-conventional Energy Development Agency of U.P. proposes to installed 3437 solar lanterns, 4120 home lighting systems and 550 solar cookers in the Hill Districts of U.P. during 1997-98. In addition, solar water heating systems with an aggregate capacity of 10,000 litres per day and also proposed to be installed.

(b) Under its solar photovoltaic programme of the Ministry of Non-Conventional Energy Sources provides subsidy to the extent of Rs. 1,500 per solar lantern, Rs. 6,000 per home lighting system, Rs. 12,000 per street lighting system and Rs. 2.0 lakhs per kWp for small Power Plants.

In addition a special additional subsidy of Rs. 500 on solar lanterns, Rs. 1500 on

home lighting systems and Rs. 300 on solar cookers is being provided duirng 1997-98 for people belonging to Scheduled Castes, Scheduled Tribes and those Below Poverty Line to commemorate the 50th Anniversary of Indian Independence.

(c) Does not arise.

Funds Sanctioned for Development of Solar Energy

575. SHRI RAHASBIHARI BARIK: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state the details of the funds sanctioned by Government for the development of solar energy for 1997-98 for the Orissa State?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARIAN PRASAD NISHAD): The Ministry of Non-Conventional Energy Sources has allocated 1,000 solar lanterns and 100 home lighting systems to Orissa under the solar photovoltaic programme for 1997-98. The Central Government provides a subsidy Rs. 1500 and Rs. 6,000 on solar lanterns and home lighting systems respectively. A special additional subsidy of Rs. 500 on solar lantern, Rs. 1500 on home lighting systems and Rs. 300 on solar cookers is being provided during 1997-98 for people belonging to Schedule Castes, Schedule Tribes and those below Poverty Line to commemorate the 50th Anniversary of Indian Independence. The State Government has also provided Rs. 1500 lakhs for the solar energy programmes under the State Plan.

Review of Non-Conventional Energy Components

576. SHRI RAHASBIHARI BARIK: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have reviewed the performance of various components of non-conventional energy sources 1996-97 in the country.

(b) if so, the details thereof, State-wise;

(c) whether all the projects of Orissa are operative and are working satisfactory;

(d) if so, the details thereof; and

(e) if not, the steps taken by Government to make them operational?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (CAPT. JAI NARAIN PRASAD NISHAD): (a) and (b) Yes Sir, the Ministry has reviewed the performance of major programmes of Non-Conventional energy Sources for 1996-97 in the Country. The details of programme implemented during 1996-97, are given in Statement-I (*See* below)

(c) to (e) The Government is generally satisfied with the progress of utilisation of non-conventional energy sources in the country including in the State of Orissa. Various Systems /devices installed in the State of Orissa and in the country are given in the Statement-II (*See* below). The progress in implementation of programmes including the functioning of existig sytems and devices is reviewed periodically. During the operation of the systems, routine operation and maintenance problems are observed and attended to by the suppliers/State Nodal Agencies. The Ministry has taken various initiatives for the revival of various systems and devices in the Country including in the State of Orissa. Special components such as Annual Maintenance Contract, financial assistancee for the revival of non-functional systems and renovation/modernization of old projects have been included in the various programmes of the Ministry.